AFOTEC

AIR FORCE OPERATIONAL TEST AND EVALUATION CENTER

OT&E Transformation Framework: Air Force OT&E Perspective

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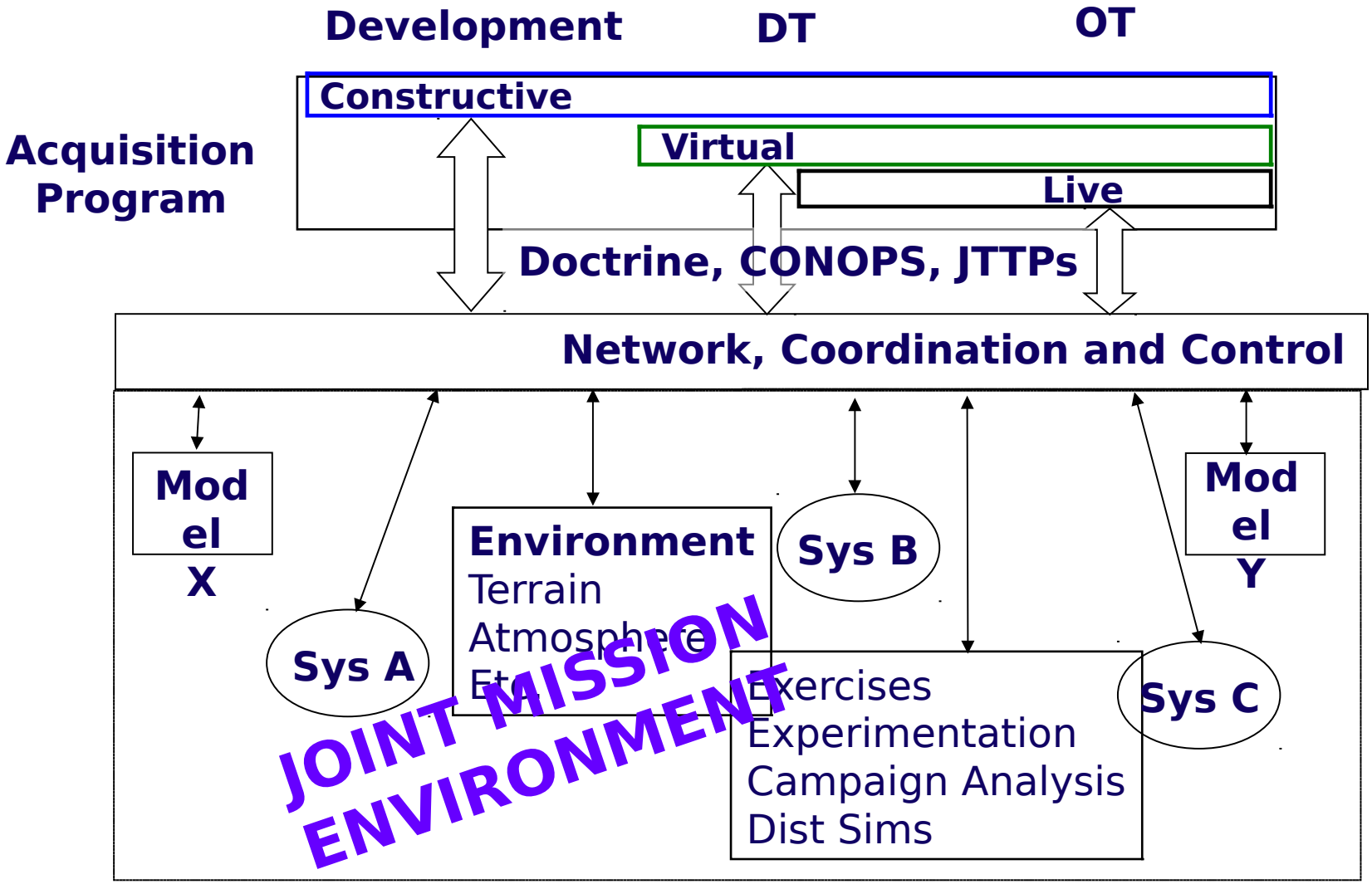
Testing in a Joint Environment



Impact on AF T&E

- **Shift OT&E focus from "system centric" to "joint centric"**
  - **DT&E: System evaluation**
    - **Representative configuration, real operators, operational environment**
  - **OT&E: Mission and employment evaluation**
    - **Joint mission environment**
      - **OA: Constructive, Virtual**
      - **OT&E: Live**
- **Shift in DT/OT workload + organizations?**
- **Implications of capability-based evaluation**

Capability-Based Requirements

- **Capability definitions must contain the following elements: key attributes with appropriate measures of effectiveness, supportability, time, distance, effect (including scale) and obstacles to be overcome.**
  - **Defined by an operational user and expressed in broad operational terms in the format of an initial capabilities document or a DOTMLPF change recommendation**
- **KPPs are those system attributes considered most essential for an effective military capability. The CDD and the CPD contain only those few KPPs (generally eight or fewer) that capture the minimum operational effectiveness and suitability attributes needed to achieve the overall desired capabilities for the system(s) during the applicable increment.**

Issues

- Joint Mission Environment
  - Availability, operations and maintenance
  - Coordination and scheduling
- Acquisition program impact
  - Schedule conflicts
  - Funding
- Adequacy of training assets/venues/instrumentation
- Protocols/Interface
- Fidelity of Simulations
- Classified Networks
- M&S
  - “Accreditation” of Joint Mission Environment
  - Adequate constructive models
  - Common data bases
  - Etc.

- Protocols/Interface
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